SECTION 1: Identification

1.1. Identification

Product form: Mixture
Product name: Through the Roof - Brush Grade

1.2. Recommended use and restrictions on use

Use of the substance/mixture: Thermoplastic Rubber Coating and Mastic

This SDS is designed for workplace employees, emergency personnel and for other situations where there is potential for large-scale or prolonged exposure, in accordance with the OSHA requirements.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label, SDS or both in accordance with applicable government regulations.

1.3. Supplier

Sashco Inc
10300 E. 107th Place
Brighton, CO 80601 - USA
T 800 767 5656
info@sashco.com

1.4. Emergency telephone number

Emergency number: 800 535 5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Flam. Liq. 2
Skin Irrit. 2
Muta. 1B
Carc. 1B
Repr. 2
STOT RE 2

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger
Hazard statements (GHS-US):
- Highly flammable liquid and vapor
- Causes skin irritation
- May cause genetic defects
- May cause cancer
- Suspected of damaging fertility or the unborn child
- May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US):
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Keep container tightly closed
- Ground/Bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash hands, forearms and face thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection
- If exposed or concerned: Get medical advice/attention
- If on skin: Wash with plenty of water
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Take off contaminated clothing and wash it before reuse
If skin irritation occurs: Get medical advice/attention
Store in a well-ventilated place. Keep cool
Store locked up
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>(CAS-No.) 8052-41-3</td>
<td>30 - 40</td>
</tr>
<tr>
<td>Toluene</td>
<td>(CAS-No.) 108-88-3</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Naphtha, petroleum, hydro treated light</td>
<td>(CAS-No.) 64742-49-0</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: IF ON SKIN: Wash with citrus based cleaner followed by washing with soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

Symptoms/effects after skin contact: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary
Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical. Carbon dioxide (CO2). Alcohol resistant foam.

Unsuitable extinguishing media: Very low flashpoint: use of water spray might be inefficient for fighting fire.

5.2. Specific hazards arising from the chemical

Fire hazard: Highly flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon.

Explosion hazard: May form flammable/explosive vapor-air mixture.

Reactivity: No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**General measures**: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Keep product and empty container away from heat and sources of ignition.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent further leakage or spillage. Keep away from drains, surface and ground-water and soil.

6.3. Methods and material for containment and cleaning up

**For containment**: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

**Methods for cleaning up**: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Additional hazards when processed**: Handle empty containers with care because residual vapors are flammable.

**Precautions for safe handling**: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

**Hygiene measures**: Take off contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

**Technical measures**: Proper grounding procedures to avoid static electricity should be followed.


SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Local name</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stoddard solvent (8052-41-3)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Eye, skin, &amp; kidney dam;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Regulatory reference</td>
<td>ACGIH 2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>2900 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Regulatory reference (US-OSHA)</td>
<td>OSHA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>20000 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>350 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>1800 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Toluene (108-88-3)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>20 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>200 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Toluene (108-88-3)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>OSHA PEL (Ceiling) (ppm)</td>
</tr>
<tr>
<td>OSHA</td>
<td>Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift</td>
</tr>
<tr>
<td>IDLH</td>
<td>US IDLH (ppm)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (STEL) (ppm)</td>
</tr>
</tbody>
</table>

**Naphtha, petroleum, hydrotreated light (64742-49-0)**
Not applicable

8.2. **Appropriate engineering controls**

Appropriate engineering controls: Ensure good ventilation of the work station. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls: Avoid release to the environment.

8.3. **Individual protection measures/Personal protective equipment**

**Hand protection:**
Wear suitable gloves resistant to chemical penetration

**Eye protection:**
Safety glasses or goggles are recommended when using product.

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
None necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Other information:**
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>63 °F ASTM D-93</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.86</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 33000 cP @ 10 rpm / 25°C (77°F); 25000 cP @ 20 rpm / 25°C (77°F)
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, sparks and flames. Sources of ignition. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May release flammable gases. May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Toluene (108-88-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
</tr>
<tr>
<td>ATE US (oral)</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Naphtha, petroleum, hydrotreated light (64742-49-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
</tr>
<tr>
<td>ATE US (gases)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : May cause cancer.

<table>
<thead>
<tr>
<th>Toluene (108-88-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
</tr>
</tbody>
</table>

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
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Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
No additional information available.

12.3. Bioaccumulative potential
No additional information available.

12.4. Mobility in soil
No additional information available.

12.5. Other adverse effects
No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
UN-No.(DOT) : UN1133
Proper Shipping Name (DOT) : Adhesives
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : III (As per 173.121(b) exemption)
Hazard labels (DOT) :

Proper Shipping Name (DOT) : Consumer commodity
Class (DOT) : ORM-D - ORM-D – Other regulated materials for domestic transport only
Hazard labels (DOT) LTD QTY - Limited quantity :

Transport by sea
Transport document description (IMDG) : UN 1133 ADHESIVES, 3, III
UN-No. (IMDG) : 1133
Proper Shipping Name (IMDG) : ADHESIVES
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Limited quantities (IMDG) : 5 L
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Air transport
Transport document description (IATA) : UN 1133 Adhesives, 3, III
UN-No. (IATA) : 1133
Proper Shipping Name (IATA) : Adhesives
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger
Limited quantities (IATA) : 10 L

SECTION 15: Regulatory information
15.1. US Federal regulations
No additional information available

15.2. International regulations
No additional information available

15.3. US State regulations
⚠️ WARNING: Reproductive Harm - www.P65Warnings.ca.gov.

SECTION 16: Other information
Date of issue : 08/31/2017
Revision date : 08/23/2018
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

HMIS Hazard Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection : B - Safety glasses, Gloves

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